

CLAIMS

What is claimed is:

1. A system for providing a name space to a computer
5 program, comprising:

a document stored on a computer system, said
document including a plurality of nodes, each of said
nodes defined using a definitional markup language,
wherein said plurality of nodes includes at least one
10 directory node and at least one file node; and

wherein said document represents a file system for
at least one service available on said computer system.

2. The system of claim 1, wherein said document further
15 comprises a system area, said system area including at
least one type attribute corresponding to each of said at
least one file node and said at least one directory type
node, wherein said at least one type attribute
distinguishes between said at least one file type node
20 and said at least one directory type node.

3. The system of claim 2, wherein said system area of
said document further comprises at least one access
control attribute corresponding to each of said at least
25 one file type node.

4. The system of claim 3, wherein said system area of
said document further comprises at least one physical
file attribute corresponding to each of said at least one

file type node, wherein said physical file attribute defines a location of a physical file corresponding to said at least one file type node.

5 5. The system of claim 3, wherein said at least one access control attribute specifies actions permitted to be performed by at least one user.

10 6. The system of claim 5, wherein said actions comprise read, write, delete and add actions.

7. The system of claim 1, wherein said at least one directory node represents a system directory.

15 8. The system of claim 1, wherein said definitional markup language comprises Extensible Markup Language (XML).

20 9. A method for providing a name space to a computer program, comprising:

receiving a name from said computer program;

25 determining, responsive to a document stored on a computer system, a resource associated with said name, wherein said document includes a plurality of nodes, each of said nodes defined using a definitional markup language, wherein said plurality of nodes includes at least one directory node and at least one file node, wherein said document represents a file system available

to said computer program and said resource associated with said name; and

providing access to said resource to said computer program.

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10. The method of claim 9, wherein said determining further comprises examining at least a portion of a system area within said document, said system area including at least one type attribute corresponding to each of said at least one file node and said at least one directory type node, wherein said at least one type attribute distinguishes between said at least one file type node and said at least one directory type node.

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11. The method of claim 10, wherein said examining of said system area further comprises examining at least one access control attribute, wherein said system area includes at least one access control attribute corresponding to each of said at least one file type node.

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12. The method of claim 11, wherein said examining of said system area further comprises examining at least one physical file attribute, wherein said system area of said document further includes at least one physical file attribute corresponding to each of said at least one file type node, and wherein said physical file attribute defines a location of a physical file corresponding to said at least one file type node.

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13. The method of claim 11, further comprising
determining whether a requested action is permitted, and
wherein said at least one access control attribute
5 specifies actions permitted to be performed by at least
one user.

14. The method of claim 13, wherein said requested action
comprises one of set consisting of read, write, delete
10 and add.

15. A computer program product including a computer
readable medium, said computer readable medium having a
computer program stored thereon, said computer program
15 for providing a name space to a computer program, said
computer program comprising:

program code for receiving a name from said computer
program;

20 program code for determining, responsive to a
document stored on a computer system, a resource
associated with said name, wherein said document includes
a plurality of nodes, each of said nodes defined using a
definitional markup language, wherein said plurality of
nodes includes at least one directory node and at least
25 one file node, wherein said document represents a file
system available to said computer program and said
resource associated with said name; and

program code for providing access to said resource
to said computer program.

16. A system for providing a name space to a computer program, comprising:

5 means for receiving a name from said computer program;

10 means for determining, responsive to a document stored on a computer system, a resource associated with said name, wherein said document includes a plurality of nodes, each of said nodes defined using a definitional markup language, wherein said plurality of nodes includes at least one directory node and at least one file node, wherein said document represents a file system available to said computer program and said resource associated with said name; and

15 means for providing access to said resource to said computer program.